

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

The paragraph starting on page 1, line 4 has been deleted and replaced it with the following rewritten paragraph:

This application is a continuation of U.S. Application Serial No.

[09/_____] 09/839,816, filed on April 20, 2001, which is a continuation of U.S. Application Serial No. 09/335,302, filed on June 17, 1999, issued as U.S. Patent No. 6,220,972, which is a continuation-in-part of U.S. Application Serial No. 08/743,579 filed November 4, 1996, which is a continuation-in-part of U.S. Application Serial No. 08/240,259 filed May 10, 1994, which in turn is a continuation-in-part of U.S. Application Serial No. 08/054,406, filed April 28, 1993, which issued as U.S. Patent No. 5,368,304.

IN THE CLAIMS:

Claims 32, 35, 37, 43, 47, 52, 55 to 61, 63 to 89 and 91 to 123 have been amended as follows:

32. (AMENDED) The golf ball according to claim [29] 28, wherein at least one layer of said multi-layer core comprises from about 1 to about 25 parts by weight of a metallic salt of a fatty acid based on about 100 parts by weight of an elastomer.

35. (AMENDED) The golf ball according to claim [35] 34, wherein said multi-layer core has a diameter of from 1.0625 to 1.42 inches.

37. (AMENDED) The golf ball according to claim [37] 36, wherein said multi-layer core has a weight of from about 16.5 grams to about 30 grams.

43. (AMENDED) The golf ball according to claim [43] 42, wherein said peroxide is at least one member selected from the group consisting of dicumyl peroxide, n-butyl 4,4'-bis (butylperoxy) valerate, 1,1-bis(t-butylperoxy)-3,3,5-trimethyl cyclohexane, di-t-butyl peroxide and 2,5-di-(t-butylperoxy)-2,5 dimethyl hexane.

47. (AMENDED) The golf ball according to claim [47] 46, wherein said filler is a particulate material having a mesh size of less than about 30 U.S. standard size.

52. (AMENDED) The golf ball according to claim [52] 51, wherein the difference between the Shore D hardness of said inner cover layer and the Shore D hardness of said outer cover layer is no more than 5.

55. (AMENDED) The golf ball according to claim [55] 54, wherein said thread rubber comprises at least one member selected from the group consisting of natural rubber and polyisoprene rubber.

56. (AMENDED) The golf ball according to claim [55] 54, wherein said thread rubber has a specific gravity of from about 0.9 to about 1.1.

57. (AMENDED) The golf ball according to claim [55] 54, wherein said thread rubber has a width of from about 0.047 inches to about 0.094 inches.

58. (AMENDED) The golf ball according to claim [55] 54, wherein said thread rubber has a gage of from about 0.012 to about 0.026.

59. (AMENDED) The golf ball according to claim [55] 54, wherein the diameter of said multi-layer core and said thread rubber is from about 1.52 inches to about 1.63 inches.

60. (AMENDED) The golf ball according to claim [55] 54, wherein the weight of said multi-layer core and said thread rubber is from about 33 grams to about 44 grams.

61. (AMENDE) The golf ball according to claim [55] 60, wherein the weight of said multi-layer core and said thread rubber is from 35 grams to 39 grams.

63. (AMENDED) The golf ball according to claim [63] 62, wherein said polybutadiene comprises a molecular weight of from about 50,000 to about 500,000.

64. (AMENDED) The golf ball according to claim [64] 63, wherein said polybutadiene comprises a molecular weight of from about 100,000 to about 500,000.

65. (AMENDED) The golf ball according to claim [63] 62, wherein at least one layer of said multi-layer core comprises from about 1 to about 25 parts by weight a metallic salt of a fatty acid based on about 100 parts by weight of an elastomer.

66. (AMENDED) The golf ball according to claim [63] 62, wherein at least one layer of said multi-layer core comprises from about 0.5 to about 10 parts by weight of a free radical initiator.

67. (AMENDED) The golf ball according to claim [63] 62, wherein said multi-layer core has a diameter of from about 1 to about 1.5 inches.

68. (AMENDED) The golf ball according to claim [69] 67, wherein said multi-layer core has a diameter of from 1.0625 to 1.42 inches.

69. (AMENDED) The golf ball according to claim [63] 62, wherein said multi-layer core has a weight of from about 15 grams to about 36 grams.

70. (AMENDED) The golf ball according to claim [71] 69, wherein said multi-layer core has a weight of from 16.5 grams to 30 grams.

71. (AMENDED) The golf ball according to claim [63] 62, wherein at least one layer of said multi-layer core comprises a metallocene catalyzed polyolefin.

72. (AMENDED) The golf ball according to claim [63] 62, wherein at least one layer of said multi-layer core comprises polybutadiene and an unsaturated carboxylic acid co-crosslinking agent crosslinked to said polybutadiene.

73. (AMENDED) The golf ball according to claim [63] 62, wherein at least one layer of said multi-layer golf ball is sulfur-cured.

74. (AMENDED) The golf ball according to claim [63] 62, wherein at least one layer of said multi-layer golf ball is peroxide-cured.

75. (AMENDED) The golf ball according to claim [76] 74, wherein said peroxide is at least one member selected from the group consisting of dicumyl peroxide, n-butyl 4,4'-bis (butylperoxy) valerate, 1,1-bis(t-butylperoxy)-3,3,5-trimethyl cyclohexane, di-t-butyl peroxide and 2,5-di(t-butylperoxy)-2,5 dimethyl hexane.

76. (AMENDED) The golf ball according to claim [63] 62, wherein said multi-layer core exhibits a PGA compression of less than 85.

77. (AMENDED) The golf ball according to claim [63] 62, wherein at least one of said inner core layer and outer core layer comprises a polypropylene powder resin.

78. (AMENDED) The golf ball according to claim [63] 62, wherein at least one of said inner core layer and said outer core layer comprises a filler.

79. (AMENDED) The golf ball according to claim [80] 78, wherein said filler is a particulate material having a mesh size of less than about 30 U.S. standard size.

80. (AMENDED) The golf ball according to claim [80] 79, wherein said filler is a particulate material having a mesh size of less than about 100 U.S. standard size.

81. (AMENDED) The golf ball according to claim [63] 62, wherein said multi-layer core further comprises an intermediate core layer disposed between said inner core layer and said outer core layer.

82. (AMENDED) The golf ball according to claim [63] 62, wherein said golf ball further comprises a thread rubber wound about the outer surface of said multi-layer core.

83. (AMENDED) The golf ball according to claim [84] 82, wherein said thread rubber comprises at least one member selected from the group consisting of natural rubber and polyisoprene rubber.

84. (AMENDED) The golf ball according to claim [84] 82, wherein said thread rubber has a specific gravity of from about 0.9 to about 1.1.

85. (AMENDED) The golf ball according to claim [84] 82, wherein said thread rubber has a width of from about 0.047 inches to about 0.094 inches.

86. (AMENDED) The golf ball according to claim [84] 82, wherein said thread rubber has a gage of from about 0.012 to about 0.026.

87. (AMENDED) The golf ball according to claim [84] 82, wherein the diameter of said multi-layer core and said thread rubber is from about 1.52 inches to about 1.63 inches.

88. (AMENDED) The golf ball according to claim [84] 82, wherein the weight of said multi-layer core and said thread rubber is from about 33 grams to about 44 grams.

89. (AMENDED) The golf ball according to claim [90] 82, wherein the weight of said multi-layer core and said thread rubber is from 35 grams to 39 grams.

91. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core comprises at least one member selected from the group consisting of natural rubber and polybutadiene.

92. (AMENDED) The golf ball according to claim [92] 90, wherein said polybutadiene comprises a molecular weight of from about 50,000 to about 500,000.

93. (AMENDED) The golf ball according to claim [94] 92, wherein said polybutadiene comprises a molecular weight of from about 100,000 to about 500,000.

94. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core comprises from about 1 to about 25 parts by weight a metallic salt of a fatty acid based on about 100 parts by weight of an elastomer.

95. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core comprises from about 0.5 to about 10 parts by weight of a free radical initiator.

96. (AMENDED) The golf ball according to claim [92] 90, wherein said multi-layer core has a diameter of from about 1 to about 1.5 inches.

97. (AMENDED) The golf ball according to claim [99] 96, wherein said multi-layer core has a diameter of from about 1.0625 to about 1.42 inches.

98. (AMENDED) The golf ball according to claim [92] 90, wherein said multi-layer core has a weight of from about 15 grams to about 36 grams.

99. (AMENDED) The golf ball according to claim [101] 98, wherein said multi-layer core has a weight of from 16.5 grams to 30 grams.

100. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core comprises a metallocene catalyzed polyolefin.

101. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core comprises a polybutadiene and an unsaturated carboxylic acid co-crosslinking agent crosslinked to said polybutadiene.

102. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core is sulfur-cured.

103. (AMENDED) The golf ball according to claim [92] 90, wherein at least one layer of said multi-layer core is peroxide-cured.

104. (AMENDED) The golf ball according to claim [106] 103, wherein said peroxide is at least one member selected from the group consisting of dicumyl peroxide, n-butyl 4,4'-bis (butylperoxy) valerate, 1,1-bis(t-butylperoxy)-3,3,5-trimethyl cyclohexane, di-t-butyl peroxide and 2,5-di-(t-butylperoxy)-2,5 dimethyl hexane.

105. (AMENDED) The golf ball according to claim [92] 90, wherein at least one of said inner core layer and said outer core layer comprises a polypropylene powder resin.

106. (AMENDED) The golf ball according to claim [92] 90, wherein at least one of said inner core layer and outer core layer comprises a filler.

107. (AMENDED) The golf ball according to claim [109] 106, wherein said filler is a particulate material having a mesh size of less than about 30 U.S. standard size.

108. (AMENDED) The golf ball according to claim [109] 107, wherein said filler is a particulate material having a mesh size of less than about 100 U.S. standard size.

109. (AMENDED) The golf ball according to claim [92] 90, wherein said multi-layer core has a PGA compression of about 85 or less.

110. (AMENDED) The golf ball according to claim [92] 90, wherein the difference between the coefficient of restitution of said multi-layer core and the coefficient of restitution of said golf ball is at least about 0.025.

111. (AMENDED) The golf ball according to claim [92] 90, wherein the difference between the Shore D hardness of said first cover layer and the Shore D hardness of said second cover layer is no more than 5.

112. (AMENDED) The golf ball according to claim [92] 90, wherein said multi-layer core further comprises an intermediate core layer disposed between said inner core layer and said outer core layer.

113. (AMENDED) The golf ball according to claim [92] 90, wherein said first resin composition comprises a filler.

114. (AMENDED) The golf ball according to claim [116] 113, wherein said filler is a particulate material having a mesh size of less than about 30 U.S. standard size.

115. (AMENDED) The golf ball according to claim [116] 114, wherein said filler is a particulate material having a mesh size of less than about 100 U.S. standard size.

116. (AMENDED) The golf ball according to claim [92] 90, wherein said golf ball further comprises a thread rubber wound about the outer surface of said multi-layer core.

117. (AMENDED) The golf ball according to claim [119] 116, wherein said thread rubber is at least one member selected from the group consisting of natural rubber and polyisoprene rubber.

118. (AMENDED) The golf ball according to claim [119] 116, wherein said thread rubber has a specific gravity of from about 0.9 to about 1.1.

119. (AMENDED) The golf ball according to claim [119] 116, wherein said thread rubber has a width of from about 0.047 inches to about 0.094 inches.

120. (AMENDED) The golf ball according to claim [119] 116, wherein said thread rubber has a gage of from about 0.012 to about 0.026.

121. (AMENDED) The golf ball according to claim [119] 116, wherein the diameter of said multi-layer core and said thread rubber is from about 1.52 inches to about 1.63 inches.

122. (AMENDED) The golf ball according to claim [119] 116, wherein the weight of said multi-layer core and said thread rubber is from about 33 grams to about 44 grams.

123. (AMENDED) The golf ball according to claim [119] 116, wherein the weight of said multi-layer core and said thread rubber is from about 35 grams to about 39 grams.